Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016

ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016			
Subject Code: 2722312 Date: 27/0			16
Subject Name: Wireless Adhoc Network Time:10:30 am to 01:00 pm Total Marks: 70			
11150		Attempt all questions.	
	2.	Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
0.1	(-)	Cive the differences between callular networks and ad has wireless networks	07
Q.1	(a) (b)	Give the differences between cellular networks and ad hoc wireless networks. Write a short note on TCP over Ad Hoc Wireless Networks.	07 07
	(b)	while a short hole on TCF over Au floc wheless networks.	07
Q.2	(a)	Write a short note on Ad Hoc Wireless Internet.	07
	(b)	Explain how security provisioning in ad hoc wireless networks differs from that	07
		in infrastructure-based networks? Write a short note on Key Management in	
		Adhoc Wireless Networks. OR	
	(b)	Explain Security Attacks in Adhoc Wireless Networks.	07
	(0)		07
Q.3	(a)	What are the disadvantages of the binary exponential back-off mechanism used	07
		in MACA? How are they overcome in MACAW?	~ -
	(b)	Explain Five phase Reservation MAC protocol.	07
03	(a)	OR Discuss issues in Designing a MAC protocol for Ad hoc Wireless Network.	07
Q.3	(a) (b)	Explain the receiver-initiated MAC protocols MACA-BI and MARCH.	07 07
Q.4	(a)	Explain Adhoc On-demand Distance Vector (AODV) Routing Protocol in	07
		detail.	07
	(b)	Explain Location-Aided Routing (LAR) protocol. What are the key differences between the LAR1 and the LAR2 algorithms?	07
		OR	
Q.4	(a)	Explain Destination Sequenced Distance-Vector (DSDV) Routing Protocol in detail.	07
C .	(b)	Discuss Issues in Designing a Multicast Routing Protocol.	07
05			
Q.5	(a) (b)	Discuss the Need for energy Management in Ad Hoc Wireless Networks. Explain QoS Solutions at Network layer.	07 07
	(0)	OR	U/
Q.5	(a)	Describe the Classification of energy management schemes in brief.	07
χ •υ	(b)	Discuss Issues and Challenges in providing QoS in Adhoc wireless Networks.	07
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